

Attachment 1

Statement of Work

DTFAEN-11-R-00070

**Repair of Vero Beach, Florida, ATCT from damage sustained from
Tropical Storm, Vero Beach, FL.**

**SERVICES
STATEMENT OF WORK
For
Tropical Storm Restoration
Vero Beach Municipal Airport (VRB) Vero Beach, FL**

1 Introduction and Overview:

These documents cover the requirements of the Federal Aviation Administration (FAA) for hurricane restoration for VRB ATCT, located in Vero Beach, Florida.

1.1 Background

VRB Air Traffic Control Tower was moderately damaged during the events of Tropical Storm Fay during August 2008. Damage included water intrusion in to the elevator shaft, control tower ceiling tiles, under doorways, and down interior walls. This Statement of Work is to provide an avenue to refurbish the Tower into sustainable condition, so as to repair damaged areas and improve areas to become better resistant to similar storms in the future.

1.2 Scope of Work

The work shall include, but not limited to, furnishing all labor, equipment, material, taxes, etc to complete the VRB ATCT restoration project. The contractor shall complete the description of work listed in the Tasked listed below in section 3.1.

1.3 Objectives

Repair the VRB ATCT site from hurricane damage and strengthen it for future storms, by sealing areas against future water intrusion due to wind-driven rain events. Remediate areas that display signs of mold growth, and replace ceiling tiles that show signs of water damage.

2 References

Documents attached.

3 Requirements

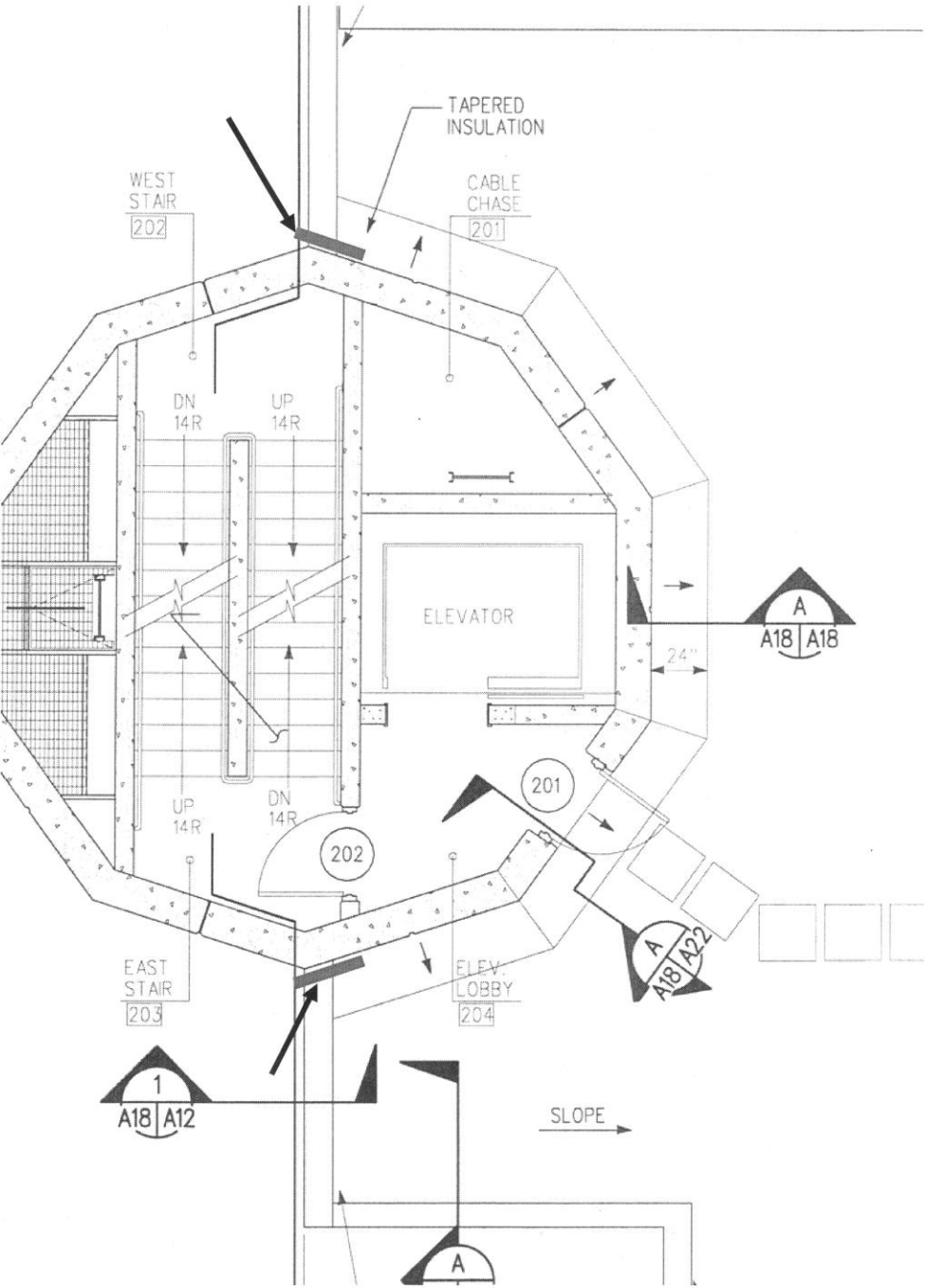
This section defines the requirements in terms of tasks to be performed, the end results/deliverables to be achieved, and the schedule of the key dates. Important compliance requirements are included with the task descriptions and deliverables.

3.1 Tasks

Furnish all labor, materials, equipment and services necessary to repair VRB ATCT site from storm damage and strengthen it for future storms. The contractor shall keep the inside of the ATCT building protected from weather during any demolition/construction activities.

The contractor shall perform the following tasks:

1. Replace all ceiling tiles affected by past water intrusion. Contractor shall match type and style of existing ceiling tiles used throughout the facility. Approval must be obtained from RE prior to procurement.
2. Damaged walls in areas affected by water intrusion.
 - a. Painted walls are to be repainted with a product that does not emit **VOC's**. Follow attached Specifications 09900 on guidelines to follow.
 - b. Areas that have damaged drywall or wallpaper due to water intrusion will need repair. Room 504, 505, and 513 in the control tower.
 - c. Submit MSDS and product information for acceptance prior to procurement.
 - d. Mold related waste must be disposed of off site. Follow state guidelines if they exist.
 - e. Walls and surfaces shall be cleaned with a 1:10 bleach water solution prior to painting.
3. Replace affected gypsum board ceilings in access corridor.
4. Remove drain covers on catwalk level and replace existing caulk.
5. Replace the existing vinyl wall covering with matching in rooms 107 and 109 with similar. Approximately 800 sqft of wall space.
 - a. Wall must be wiped clean to remove mold.
 - b. Procurement of material dependent upon approval from COTR.
6. On the roof of the base building, at the areas indicated in the attached drawing, the contractor is to remove the existing caulk. The three sides of the surface are to be removed, approximately 10 linear feet.
 - a. Clean the surface, and prepare surface for a cohesive bond.
 - b. Recaulk the areas with sandstone colored Dow Corning 790, or equivalent.



SUBMITTALS:

The Contractor shall submit product information for FAA approval regarding the unitary units, and other key items of material and information regarding all aspects of this project.

The above submittals will be reviewed by the Government and be approved, disapproved or approved as noted. The Contractor shall not proceed with procurement of material and equipment until the Government approves the submittals.

PERFORMANCE TIME:

The contractor shall complete the entire scope of the Job within 45 days after the Notice-To-Proceed. The time required for the Government to review, comment and approve the submittals, and equipment ordering lead-time will not be included in the Contractor's performance time.

Notice-To-Proceed with the construction phase will not be granted until the Contractor certifies to the Contracting Officer that all required materials and equipment, as approved by the Government, are in his possession and ready for installation.

SAFETY:

All fall protection and safety equipment installation shall be coordinated with the FAA Resident Engineer and in compliance with latest OSHA standards. A fall protection plan shall be submitted to the SSC Contact and the Technical Contact before starting work.

DEMOLITION:

Any equipment obstructing the Contractor's access to the work area shall either be temporarily relocated by the Contractor to a storage area designated by the RE or Technical Contact or be covered in a manner as to provide suitable access while protecting the Government property from construction damage. At the completion of all work, the Contractor shall return all such items to their original location.

The contractor shall dispose of any unused or removed hardware, waste, or other materials associated with this job.

Any equipment or material to be removed, unless specified to remain the property of the FAA, shall become the property of the

Contractor and shall be transported from the site and disposed of in a legal manner.

3.2 End Results/Deliverables

All work accomplished and tasks completed as outlined in this document. FAA personnel onsite, and from the SSC will sign off that work has been completed satisfactorily.

4 List of Deliverables by Task

1. Ceiling tiles installed replacing water damaged existing tiles.
2. Areas caulked as discussed in this document
3. Drywall repaired and new painted walls in affected areas.
4. Replaced floor drains on the catwalk level

4.1 SCHEDULES/MILESTONES

The FAA Logistics Center shall maintain a single project schedule from which previous project reports shall be produced.

4.2 REPORTS

The monthly report shall be provided to the FAA Logistics Center with the initial submission, and then again following negotiations. This report will be used by the Customer to assess the adequacy of the resources proposed by the FAA Logistics Center to accomplish the SOW. Specialty reports shall be identified with enough detail to allow the FAA Logistics Center to develop and populate, as instructed. Customer requires an Activity report that is detail driven.

5 Other Considerations

5.1 SCHEDULE OF WORK:

All work shall be performed during normal daytime hours of 7:30 AM to 4:00 PM unless otherwise approved by the RE or Technical Contact.

5.2 AVAILABILITY OF UTILITIES:

Electricity is available for the Contractor's use.

5.3 SITE VISIT:

The bidder may make arrangements to visit the site by contacting the SSC Contact listed below.

6 Progress/Compliance

The Customer requires the following from FAA Logistics Center in order to monitor progress and ensure compliance (identify action):

- 6.1 Weekly/Monthly Status Report
- 6.2 Weekly Meetings
- 6.3 Monthly Progress Report
- 6.4 Project Management Team (PMT) Meetings
- 6.5 Quarterly Program Reviews
- 6.6 Outlines and Drafts

7 Transmittal/Delivery/Accessibility

The FAA Logistics Center shall provide (1) hard copies of each deliverable and one electronic version.

8 Notes

- 8.1 Technical Contact:
Allah E Christmas
AJW-E15D
Federal Aviation Administration
1701 Columbia Avenue
College Park, GA 30337
Office: 404-305-6676
Fax: 404-305-6588
- 8.2 SSC Contact:
For site access and schedule coordination:
Reginald Johnson
FAA Vero Beach ATCT
2930 Flight Safety Dr.
Vero Beach, FL
32960
Office: (772)-299-0129
Fax: (772)-299-9715
- 8.3 Administrative Contact:
Allah Christmas
AJW-E15D
Federal Aviation Administration
1701 Columbia Avenue
College Park, GA 30337
Office: 404-305-6676

Fax: 404-305-6588

8.4 Organization Routing Symbol of Requestor:
AJW-E15D

END OF DOCUMENT SOW

SECTION 09900
PAINTING

PART 1 - GENERAL

1.1 Work Included:

- A. **Exterior Painting:** Includes all surfaces of the building and appurtenances as indicated. Included are existing coated surfaces made bare by cleaning operations.
- B. **Interior Painting:** Includes all surfaces of the building and appurtenances. Where a space or surface is indicated to be painted, include the following items, unless indicated otherwise:
- C. **Mechanical and Electrical Painting:** Includes field coating of interior and exterior surfaces.
- D. **Non-specific Surfaces:** Where a space or surface is not specifically indicated to be painted, include the following items unless directed otherwise:
1. Exposed piping, conduit, and ductwork.
 2. Supports, hangers, air grilles, and registers.
 3. Miscellaneous metalwork and insulation coverings.
 4. Cable trays.
 5. New zinc-coated strut systems including all-thread rods.
- E. **Painting Included:** Where a space or surface is indicated to be painted, include the following unless indicated otherwise.
1. Surfaces behind portable objects and surface mounted articles readily detachable by removal of fasteners, such as screws and bolts.
 2. New factory finished surfaces that require identification or color coding and factory finished surfaces that are damaged during performance of the work.
 3. Existing coated surfaces that are damaged during performance of the work.
- F. **Painting Excluded:** Do not paint the following unless indicated otherwise.
1. Surfaces concealed and made inaccessible by panelboards, fixed ductwork, machinery, and equipment fixed in place.
 2. Copper, stainless steel, aluminum, brass, and lead except existing coated surfaces.
 3. New zinc-coated, aluminum, and copper surfaces under insulation;
 4. New aluminum jacket on piping; and
 5. New interior ferrous piping under insulation.

1.2 Submittals: Submittals shall include:

- A. Color Charts: Manufacturer's color chips and charts for use in preparation of color schedule.
- B. Manufacturer's Instructions
- C. Paint application instructions
- D. MSDS: Submit Manufacturer's Material Safety Data Sheets (MSDS) for coatings, solvents, and other potentially hazardous materials.

1.3 Delivery And Storage: Deliver materials in sealed, labeled containers bearing the manufacturer's name, brand designation, specification number, batch number, color, and date of manufacture. Restrict storage and mixing of materials to locations approved by the RE. Products shall be stored in an approved ventilated dry area, protected from contact with soil and from exposure to the elements. Keep products dry at all times.

1.4 Handling: Handle packaging and containers in a manner that will prevent damage to contents.

1.5 Identification of Materials: Containers shall have labels with the following information:

Manufacturer's name
Type of paint
Color
Manufacturer's stock number
Instructions for reducing, where applicable

1.6 Quality Assurance:

A. Sample Area: A test area of wall surface from 5 to 10 square feet in size shall be cleaned with the specified material, in accordance with the manufacturers instructions, for the approval of the RE.

B. Inspection and Acceptance: In addition to meeting the previously specified requirements, demonstrate the mobility of moving components, including but not limited to swinging doors and cabinets, for inspection by the RE. Perform this demonstration after appropriate curing and drying times of the coatings have elapsed and prior to invoicing for final payment.

PART 2 - PRODUCTS

2.1 General: To the maximum extent practicable, use the materials of one manufacturer throughout the project. Primer shall be of suitable type for each surface and compatible in each case with the finish paint.

2.2 Materials Lists: The following products or an approved equal shall be used. Paint other than those listed shall be manufacturer certified that they are of equal or better quality than those listed.

A. Galvanized Metal Primer:

No. 850A1 Galvanized Iron Primer	Sherwin-Williams
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B. Metal Primer:

Rust-O-Lastic, No. 24-R-5	M. A. Bruder & Sons
Kem Kromik, No. B-50-N-2	Sherwin-Williams
Rust-O-Lastic Zinc Dust Primer No. 073-218	M. A. Bruder & Sons

C. Exterior Ferrous Metal Paint:

Dulux Metal Protective Paint	Dupont
Metalastic Paint	Sherwin-Williams
Noxide Metal Paint	Pratt & Lambert

D. Enamel Undercoat:

No. 853 Dulux Ovalite Enamel Undercoat	Dupont
Vitralite Enamel Undercoat	Pratt & Lambert
P. C. Enamel Undercoat	Sherwin-Williams

E. Interior Enamel:

No. 299 Dulux Enamel Eggshell Sheen	Dupont
Rich-Lux Low Lustre Alkyd Enamel 021	M. A. Bruder & Sons
Pro Mar Eggshell Enamel Series B33	Sherwin-Williams

F. Exterior Flat Wall Paint:

Weather Perfect Acrylic Latex	Sherwin-Williams
PPG Exterior Acrylic Latex	Pittsburgh Paints
Acra-Lastic Acrylic	M. A. Bruder & Sons

G. Enamel (Epoxy Resin) Semi-Gloss:

Tile-Clad II Enamel	Sherwin-Williams
Aquapon	Pittsburgh Paints

Glid Guard Y-5240/Y5242

Glidden

H. Interior Latex Flat Paint:

Pro-Hide-Plus
Pro Mar 200, Series B30 W200
Wonder Speed 506XX

Pratt and Lambert
Sherwin-Williams
Devoe Paint

2.3 Evidence of Acceptable Variation: If a product proposed for use does not conform to requirements of the referenced specification, submit for approval to the RE, evidence that the proposed product is either equal to or better than the product specified.

2.4 Color Selection: Colors of finish coats shall be as indicated or specified, where not indicated or specified, colors shall be selected by the RE in coordination with FAA. Manufacturers' names and color identification are used for the purpose of color identification only. Named products are acceptable for use only if they conform to specified requirements. Products of other manufacturers are acceptable if the colors approximate colors indicated and the product conforms to specified requirements.

PART 3 - EXECUTION

3.1 Environmental Requirements: Paint shall not be applied to unprotected surfaces in wet weather nor to surfaces on which ice, frost, water, or dampness is visible. Paint shall not be applied in rain, wind, snow, fog or mist nor when the steel surface temperature is below the dew point, resulting in condensation or moisture. When paint is applied in hot weather or thinned in cold weather, ensure that the specified thickness of paint coating is obtained. Do not apply exterior paint in damp, rainy weather nor until the surface has dried thoroughly from the effects of such weather. The temperature of the surface to be painted and of the surrounding air temperature shall be maintained between 45° and 95° F during the application and drying period. Surfaces shall be dry before paint is applied. Surface to be painted shall be clean, dry, smooth and adequately protected from dampness.

A. Exterior Paint: Exterior paint shall not be applied when the temperature is lower than 40° F or expected to fall below this temperature. Interior paint shall not be applied when the temperature is lower than 60° F or expected to fall below this temperature.

B. Interior Paint: Interior paint shall not be applied when, in the RE's opinion, satisfactory results cannot be obtained due to high humidity and excessive temperature; however, failure of the RE to notify the Subcontractor of the conditions will not relieve the Subcontractor of responsibility to produce satisfactory results.

C. Metallic Surfaces: Do not paint steel which is at a temperature which can cause blistering, porosity, or otherwise be detrimental to the life of the paint.

3.2 Preparation

A. Mounted Hardware: Prior to surface preparation and coating applications, remove, mask, or otherwise protect, hardware, hardware accessories, machined surfaces, radiator covers, plates, lighting fixture, public and private property, and other such items not to be coated that are in contact with surfaces to be coated. Following completion of painting, workmen skilled in the trades involved shall reinstall removed items. Restore surfaces contaminated by coating materials to original condition and repair damaged items.

B. Surfaces: Surfaces shall be inspected in regard to their suitability to receive a finish. In the event that imperfections due to materials or workmanship appear on surfaces, appropriate corrections shall be made at no additional cost to the Contractor. Remove dirt, splinters, loose particles, grease, oil, and other substances deleterious to coating performance as specified for each substrate.

C. Protection: Products and materials placed prior to painting shall be removed or protected. Remove protection upon completion of painting.

D. Cleaning of Surfaces: Surfaces to be painted shall be cleaned as required to remove dust and dirt.

1. Cleaning Ferrous Surfaces: Ferrous surfaces, interior and exterior, that have not been shop-coated shall be solvent-cleaned to remove oil and grease, then mechanically cleaned by power wire-brushing or blast cleaning to remove loose rust, loose mill-scale and other foreign substances. Blast cleaning shall conform to Steel Structures Painting Council Specification SSPC-SP-6 for commercial sandblasting. Power tool cleaning shall conform to Steel Structures Painting Council Specification SSPC-SP-3. Cleaning shall be scheduled to permit priming of the cleaned areas on the same day. In the event the cleaned surfaces are left unprimed until the formation of corrosion, the affected areas shall be cleaned again. Minor amounts of residual rust that cannot be removed except by white metal blast-cleaning, and tight mill-scale that cannot be removed by applying a sharp knife to any edge, will be permitted. After cleaning, one coat of paint shall be applied to a minimum dry film thickness of 1 mil. Shop-coated metal shall be protected from corrosion before and after installation by treating corroded areas immediately upon detection. Rust spots, and spots where shop coat has been abraded, shall be sanded to bright metal and recoated with a primer.

2. Fabricated and Assembled Items: Fabricated and assembled items which are normally cleaned and primed in accordance with the manufacturer's standard practice may be exempted from the requirements for surface preparation and first coat specified in Chapter 9 or on the drawings upon specific request by the Subcontractor and approval by the Subcontract Administrator. Similarly, items which are normally painted with a complete coating system in accordance with the manufacturer's standard practice may be exempted entirely from the surface preparation and painting requirements herein, provided the finish coat is of acceptable color and quality and is touched up as necessary in the field. Requests for exemption shall be accompanied by a description of

the manufacturer's standard coating including surface preparation, type of paint, dry film thickness and whether baked or air-dried.

3. Nonferrous Metal Surfaces: All nonferrous metal surfaces, such as aluminum alloy (except anodized), copper, zinc-copper-alloy, and zinc-coated surfaces, including nonferrous surfaces not to be painted, shall be solvent-cleaned as necessary to remove all oil, grease or other foreign substances. After cleaning, all nonferrous surfaces to be painted shall be treated with vinyl type wash coat as hereinafter specified. Painting to protect aluminum from contact with dissimilar materials should be specified under the division of the specification covering the specific item. All zinc-coated metal shall be protected from corrosion before and after installation by treating cut, scarred, corroded, or abraded spots immediately upon detection. Such spots shall be thoroughly wire-brushed, cleaned and smoothed, treated with vinyl wash coat or primed with zinc dust or zinc dust-zinc oxide metal primer, and then painted when necessary with a finish color coating which will match the color of adjoining surface.

4. Gypsum Board: Gypsum board shall be dry. Remove loose dirt and dust by brushing with a soft brush or rubbing with a dry cloth prior to application of the first coat material. Prior to painting, repair joints, cracks, holes, surface irregularities, and other minor defects with spackling compound and sand smooth.

5. Preparation of Wood and Plywood Surface:

a. Surface Cleaning - Surfaces shall be free from dust and other deleterious substances and in a condition approved by the RE prior to receiving paint or other finish. Do not use water to clean uncoated wood.

PART 1 - b. Removal of Fungus and Mold - Wash existing coated surfaces with a solution composed of 3 ounces (2/3 cup) trisodium phosphate, 1 ounce (1/3 cup) household detergent, 1 quart 5% sodium hypochlorite solution and 3 quarts of warm water. Rinse thoroughly with fresh water.

c. Prime Coat for Exterior Surfaces - Prime coat before wood becomes dirty, warped, or weathered.

d. Cracks and Nailheads - Set and putty stop nailheads and putty cracks after the prime coat has dried.

E. Touch-Ups: Scratches, abrasions or other disfigurements shall be properly prepared and touched-up. Remove foreign matter from prime coats before proceeding with subsequent coats. Spot priming shall be featheredged into adjacent coatings to produce a smooth and level surface.

3.3 Application

A. Prime Coat: Miscellaneous metal, hollow metal doors and frames, and other materials which have been prime coated shall be touched-up where the shop coat has been damaged by welding or abrasion during the handling and erection operations. Touch-up primed fasteners and welds which are unpainted after assembly and erection.

B. Coating Application: Thoroughly work coating materials into joints, crevices, and open spaces. Touch up damaged coating before applying subsequent coats. Interior

areas shall be broom clean and dust free before and during the application of coating material.

PART 2 - 1. Drying Time - Allow time between coats, as recommended by the coating manufacturer, to permit thorough drying. Provide each coat in specified condition to receive next coat.

2. Primers and Intermediate Coats - Do not allow primers or intermediate coats to dry more than 30 days, or longer than recommended by the manufacturer, before applying subsequent coats. Follow manufacturer's recommendations for surface preparation if primers or intermediate coats are allowed to dry longer than recommended by manufacturers of subsequent coats. Each coat shall cover the surface of the preceding coat or surface completely, and there shall be a visually perceptible difference in shades of successive coats.

3. Finished Surfaces - Provide finished surfaces free from runs, drops, ridges, waves, laps, brush marks, and variations in colors.

C. Paint Utensils: Paint shall be applied by a brush, roller or spray in accordance with the manufacturer's directions. Use the type of brushes best suited for the type of materials being applied. For covers on rollers use carpet with velvet back and of high pile sheep's wool or use short hair covers, as best suited for material specified.

D. Thinning of Paints: Reduce paints to proper consistency by adding fresh paint, except when thinning is mandatory for the type of paint being used. Obtain written permission from the RE to use thinners. The written permission shall include quantities and types of thinners to use.

E. Minimum Dry Film Thickness (DFT): Apply paints, primers, varnishes, enamels, undercoats, and other coatings to a minimum dry film thickness of 1.5 mil each coat unless specified otherwise. Coating thickness where specified, refers to the minimum dry film thickness.

F. Coatings for Surfaces not Specified Otherwise: Coat surfaces which have not been specified, the same as surfaces having similar conditions of exposure.

G. Existing Surfaces Damaged: During performance of the work, including new patches in existing surfaces, coat surfaces with the following:

One coat of primer.

One coat of undercoat or intermediate coat.

One top coat to match adjacent surfaces.

H. Paint Techniques: Each coat of paint shall be applied smoothly, worked out evenly and allowed to dry completely before the subsequent coat is applied. Finished work shall be uniform and of the specified color. Paint shall completely cover, be smooth and free from runs, sags, clogging or excessive flooding. Make edge of paint adjoining other materials or colors sharp and clean without overlapping. Where high gloss enamel is used, lightly sand undercoat to obtain a smooth finish coat. Painting

shall be completed according to the manufacturer's written instructions. Apply spray paint uniformly with suitable equipment. Paint shall be applied to a minimum dry film thickness of five mils. Tint each coat of paint slightly lighter or darker than the preceding coat or the finish coat.

I. Commencement: Painting shall commence when other operations detrimental to finish painting have been completed and the areas have been approved for painting.

J. Precautions: Soiled cleaning rags and waste shall be disposed of daily at the close of each day's work or stored in metal containers with tight fitting covers. An appropriate number of sand buckets shall be provided at all times for use in the event of fire. "No Smoking" signs shall be posted as required or directed.

K. Exterior Ferrous Metal Surfaces: Hollow metal doors and frames; metal wall panels; handrails

1st Coat	Galvanized metal primer
2nd Coat	Exterior ferrous metal paint
3rd Coat	Exterior ferrous metal paint

L. Interior Surfaces: shall be painted as follows:

1. Gypsum Board:

1st Coat	Latex wall primer
2nd Coat	Latex flat
3rd Coat	Latex flat

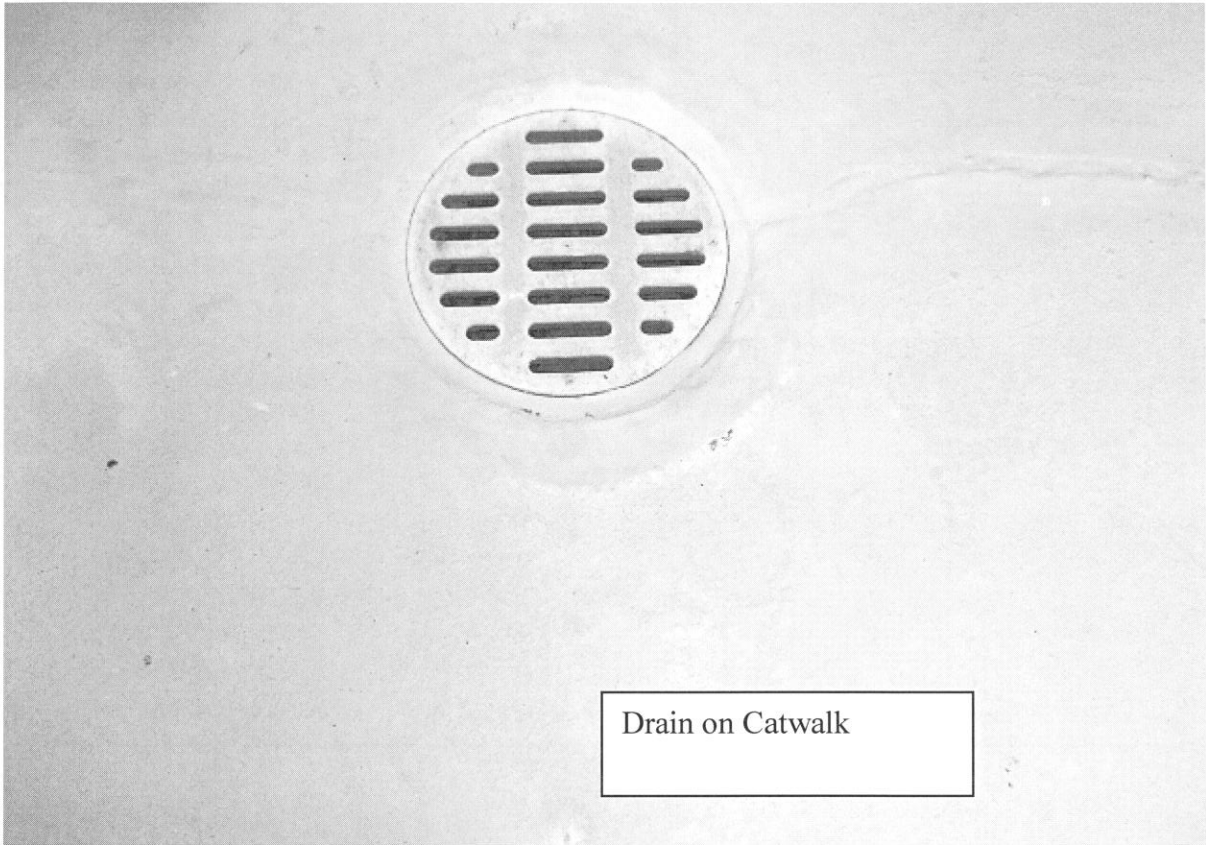
2. Ferrous Metal: - Structural steel, hollow metal doors and frames (Dark Brown), galvanized metal conduit, underside of galvanized metal deck, exposed metal plates, angles, shapes, hangers, and dampers shall be painted as follows:

1st Coat	Metal primer (if not shop primed)
1st Coat (galvanized)	Galvanized metal primer
2nd Coat	Enamel undercoat
3rd Coat	Enamel

3.4 Final Cleaning: Upon completion of work, remove staging, scaffolding and containers from the site. Remove paint spots, oil or stains from floors and other surfaces not to be painted, and leave facility clean and acceptable to the RE.

END OF SECTION

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Drain on Catwalk



Base Bldg roof caulking

